

MODIS TEAM LEADER COMPUTING FACILITY (TLCF)

October 2, 1991

Introduction: The MODIS TLCF can be characterized as a scaled version of the EOSDIS Core System (ECS). It must support pre and post launch algorithm development, integration, testing, validation, modification and evolution. It must also provide computing resources for the MODIS Team Leader and Goddard Team Members, and it will provide support for quality control and test of the MODIS products. Special products for the Team Leader and some of the Goddard team members, will be generated on the TLCF. To meet these requirements, the TLCF must be capable of processing MODIS data at twice the full rate, and it must have total storage adequate to hold the data from one orbit per week for a ten year period (of the order of 2 Terabytes). The requirements for communications, displays, I/O, etc. must be based on a more complete definition of the TLCF operating environment.

Functions:

Support algorithm development, testing, validation, integration, modification and evolution, pre and post launch

Computing resources for the MODIS Team Leader and Goddard Team Members

Quality control and test of the MODIS products

Special Products for the MODIS Team Leader and Goddard Team Members

Software documentation

Size:

The TLCF will be a scaled version of the EOSDIS Core System (ECS), able to process MODIS data at twice the full rate.

On-line storage of TBD (100 MByte)

Total disk storage of TBD (2 TeraByte). Adequate to hold the data from one orbit each week for a ten-year period

I/O TBD

Displays TBD

Communications TBD